PB-227 306

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS AS OF DECEMBER 31, 1960. VOLUME 16. IOWA

Public Health Service
Washington, D. C.

1962

DISTRIBUTED BY:

NTIS

National Technical Information Service
U. S. DEPARTMENT OF COMMERCE
5285 Port Royal Road, Springfield Va. 22151

PB 227 306

037204

WASTE WATER DISPOSAL PRACTICES

GENERAL SERVICES ADMINISTRATION

At Federal Installations

Volume 16 - IOWA

Reproduced by
NATIONAL TECHNICAL
INFORMATION SERVICE
U S Department of Commerce
Springfield VA 22151

HE 20.1011
X/v.16

Compiled by

GENERAL SERVICES ADMINISTRATION

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Publi[illegible]ice

WASTE WATER DISPOSAL PRACTICES
at
FEDERAL INSTALLATIONS
as of December 31, 1960

Volume 16 - IOWA

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Division of Water Supply and Pollution Control
Washington 25, D. C.

LIBRARY
Environ. Prot. Agency, WSD
Edison, New Jersey 08817

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS

State Volumes

No.		No.	
1	Alabama	28	Nebraska
2	Alaska	29	Nevada
3	Arizona	30	New Hampshire
4	Arkansas	31	New Jersey
5	California	32	New Mexico
6	Colorado	33	New York
7	Connecticut	34	North Carolina
8	Delaware	35	North Dakota
9	District of Columbia	36	Ohio
10	Florida	37	Oklahoma
11	Georgia	38	Oregon
12	Hawaii	39	Pennsylvania
13	Idaho	40	Rhode Island
14	Illinois	41	South Carolina
15	Indiana	42	South Dakota
16	Iowa	43	Tennessee
17	Kansas	44	Texas
18	Kentucky	45	Utah
19	Louisiana	46	Vermont
20	Maine	47	Virginia
21	Maryland	48	Washington
22	Massachusetts	49	West Virginia
23	Michigan	50	Wisconsin
24	Minnesota	51	Wyoming
25	Mississippi	52	Puerto Rico
26	Missouri	53	Virgin Islands
27	Montana		

Department Volumes

No.	
54	U. S. Department of Agriculture
55	U. S. Department of Defense (classified)
56	U. S. Departments of Commerce, Interior, Justice, Post Office, State, Treasury, and Health, Education, and Welfare
57	Independent Agencies of the U. S. Government
58	U. S. Department of Defense (classified) for Alaska, Hawaii, Puerto Rico and Virgin Islands only

U. S. GOVERNMENT PRINTING OFFICE WASHINGTON 25, D. C.

1962

CONTENTS
Volume 16

page

Introduction v

Acknowledgment viii

Key to codes used in reporting inventory data ix

Listings of data 1-14

Appendix
GSA Circular No. 232 and attachments 17

INTRODUCTION

Inventory Background

The Federal Water Pollution Control Act (33 USC 466h), contemplates a Federal program in cooperation with State and interstate agencies and municipalities for the control and abatement of water pollution emanating from Federal installations.

The President, in a memorandum dated May 13, 1960, requested the Secretary of Health, Education, and Welfare to prepare an inventory of waste water disposal practices at Federal installations as a first step in the discharge of this responsibility. The President emphasized that the Federal establishment must point the way for the rest of the Nation by making certain its own house is in order with reference to the preventing and controlling of water pollution attributable to wastes discharged from Federal installations. The inventory, he stated, would assist the Federal agencies in determining what corrective actions may be required and how rapidly they may be accomplished to eliminate conditions contributing to such pollution.

On May 18, 1960, the Deputy Assistant to the President wrote the heads of all Federal departments and agencies, advising them of the President's instructions to the Secretary of Health, Education, and Welfare and stating that the President had asked them to provide "such assistance as may be requested by the Secretary of Health, Education, and Welfare in making this inventory and in completing it promptly."

The inventory entitled "Waste Water Disposal Practices at Federal Installations," of which this volume is a part, was prepared by the Department of Health, Education, and Welfare and the General Services Administration, in cooperation with all the Federal departments and agencies working in accordance with GSA Circular No. 232 (March 14, 1961). The circular, reproduced in the Appendix of this report, gives detailed instructions and criteria for the work.

Inventory Coverage

The report includes an

The inventory covers waste water disposal practices of Federal activities on all real property owned by or leased to the Federal Government in all the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, and the Virgin Islands. Included also are the waste water disposal practices of wholly Government-owned corporations and nonfederal activities conducted on Federal properties, such as those of construction contractors and park concessionaires.

Iowa

Not covered are trust properties; space leased to the United States for offices, including post offices, in nonfederally owned or operated buildings; land without activities generating wastes; lookout towers, ranger offices, and single living quarters in national forests and remote areas, and seldom-visited and/or unattended communications stations.

Source of Inventory Data

Following instructions of GSA Circular No. 232, personnel at the individual reporting installation supplied the identifying and technical data. These reports were submitted to their respective Washington, D. C. headquarters. Here they were reviewed for completeness and accuracy, then forwarded to the special technical staff of the Division of Water Supply and Pollution Control, Public Health Service, for further review for conformity to instructions and definitions. Any discrepancies or differences were resolved by mutual agreement at this point. Accepted reports were forwarded to the Bureau of the Census for processing for the present document.

How to Identify the Columnar Listings

1. "GSA Control." The numbers in Agency or Bureau and Installation columns are codes assigned by GSA for identifying purposes. The Report Number is the serial number assigned each report as received by the special staff. A number in this column opposite a total indicates the number of reports which are included in that total.

2. "Geographical Location" numbers are those assigned by GSA in its publication "Geographic Location Codes."

3. "Card Number" indicates the classification of the point of discharge according to the code sheet (page ix) immediately preceding the detailed listings.

4. "Activity" indicates whether the waste-generating activity is Federal (1), or nonfederal (2).

5. "Population" is a code number to indicate the population size group contributing the waste volume in a normal day's operation. For security reasons this information is deleted from all Department of Defense entries except in the Departmental classified volume..

6. Sewage volume is measured in gallons per day. However, in cases of pit privies and chemical toilets, where fecal wastes are not water-borne, the figure in this column relates to persons per day and is followed by the letter "P" in the column headed "Persons." These figures are summarized separately whenever totals appear.

7. "Percent Treated" under both sewage and industrial wastes relates to the percent of total volume of discharge which receives any treatment before discharge from the installation. It does not reflect the degree of any treatment, nor does it reflect the extent of any treatment after the discharge has been received by municipal sewerage systems.

Under industrial wastes the following processes were considered as treatment: tanks and equipment for neutralization of alkalinity or acidity; oil and grease separation and removal; precipitation of solids; removal of cyanides and chromates.

Chemical treatment of cooling water to control corrosion within piping systems and equipment was not considered to be industrial waste treatment. Cooling water is shown as a percent of the total industrial waste discharge volume.

8. "Industrial Wastes" volumes are given in gallons per day if water-borne. If there are solid wastes alone or in conjunction with water discharges, the letter "S" appears in the column headed "Solids." The types of industry generating these wastes are indicated by the numbers under "Industrial Activity Codes." These are interpreted on the code sheet.

9. "Notification," if any, relates to the type and most recent date prior to January 1, 1961, of a notification to the installation, issued by a representative of a governmental department, commission, bureau, board, or other legally constituted entity that a pollution problem exists in relation to that specific installation. An interpretation of the type code is given on the code sheet. The dates, if any apply, are given in the date columns.

Issuances of the Inventory

The reported data are issued in three types of listings and 58 volumes, as follows:

(1). Volumes 1-53 inclusive cover all reports for each of the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, and the Virgin Islands. Listings are alphabetical by county and by city within each county. Where no city applies, the data are shown at the end of each county. No data on military installations appear in the volumes for Alaska, Hawaii, Puerto Rico and the Virgin Islands.

(2). Volumes 54-57 inclusive are agency listings covering, respectively:

U. S. Department of Agriculture - Volume 54

U. S. Department of Defense (classified confidential) - Volume 55

U. S. Departments of Commerce, Interior, Justice, Post Office, State, Treasury, and Health, Education and Welfare - Volume 56

Independent Agencies of the U. S. Government - Volume 57

These agency listings show the reports alphabetically by State and by city within each State. Where no city applies, the data are shown by county at the end of the State.

(3). Volume 58 contains Department of Defense (classified confidential) reports for Alaska, Hawaii, Puerto Rico, and the Virgin Islands. The listings in this volume are arranged in the same manner as in Volumes 1-53.

ACKNOWLEDGMENT

The Department of Health, Education, and Welfare and the General Services Administration gratefully acknowledge the fine cooperation extended by all departments and agencies in completing this report and, most particularly, that of the Bureau of the Census of the Department of Commerce. The Bureau of the Census processed the data furnished by all departments and agencies.

INVENTORY OF WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS KEY TO CODES

DESCRIPTION	
CARD NUMBER	DESIGNATION
0	Installation Name, location & control number.
1	Public utility sewer system receiving wastes.
2	Surface water body receiving wastes.
3	To ground via septic tanks & subsurface drainage fields; cesspools; privy vaults; chemical toilets; lagoons, stabilization ponds & filters w/out discharge to surface body of water; deep wells; & spray or irrigation of land of reporting entity, etc.
4	Transferred to other users for cooling purposes &/or irrigation of land not within the reporting entity.

ACTIVITY	
CODE NUMBER	DESIGNATION
1	Federal activity generates all or major portion of wastes.
2	Non-federal activity generates all or major portion of wastes.

POPULATION SIZE	
CODE NUMBER	Total number of persons in reporting area during a 24-hr. day of normal operations.
1	1 - 50
2	51 - 100
3	101 - 500
4	501 - 1000
5	1001 - 2500
6	2501 - 5000
7	5001 - 10,000
8	over 10,000

SEWAGE - PERSONS
The letter "P" entered in the "Sewage-Persons" column denotes that non-water-carried fecal wastes are being generated. The figure entered in the "Sewage-Volume-Gallons Per Day" column to the immediate left of the letter "P" indicates the number of people who are generating the solid wastes. There is no indication of the quantity of solid wastes being generated. When no "P" appears in the "Persons" column, the figure in the "Sewage-Volume-Gallons Per Day" column indicates the gallons per day of liquid sewage which is generated.

INDUSTRIAL WASTE - SOLIDS
The letter "S" entered in the "Industrial Wastes-Solids" column denotes that solid industrial wastes are being generated. There is no indication of the quantity of solid wastes being generated. When a figure appears in the "Industrial Waste-Volume-Gallons Per Day" column immediately to the left of an "S", the figure represents the gallons of liquid industrial wastes generated per day.

INDUSTRIAL ACTIVITY CODES	
CODE NUMBER	DESIGNATION
10	Metal mining
11	Anthracite, bituminous coal & lignite mining
13	Crude petroleum & natural gas extraction
14	Mining & quarrying of nonmetallic minerals, except fuels
18	Radioactive materials operations
20	Food & kindred products
22	Textile mill products
24	Lumber & wood products
26	Paper & allied products
28	Chemicals & allied products
29	Products of petroleum & coal
30	Rubber & rubber products
31	Leather & leather products
33	Primary metal industries
34	Fabricated metal products
39	Miscellaneous wastes including cooling water from mechanical equipment, run-off from vehicle & aircraft washing operations, spent solutions from engine cleaning & metal plating operations, boiler blow-down and condensate discharges from heating plants, overflow water from fish hatchery ponds, etc.

NOTIFICATION-TYPE	
CODE NUMBER	DESIGNATION
	Type of notification, if any, which has been received from an official source that existing waste water discharge practices may be responsible for creating a water pollution problem.
1	No notification received
2	Formal notice
3	Letter report
4	Verbal report

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO.	DAY	YR.
							IOWA														
							ADAMS CO														
							CORNING														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03358	15409	14	1840	003	01	POST OFFICE	1	1												
		1					CORNING MUN SEWER			130		0						1			
							2 COUNTY TOTAL			130											
							ALLAMAKEE CO														
							WAUKON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03219	15475	14	8830	005	01	POST OFFICE	1	1												
							WAUKON MUN SEWER			250		0						1			
							PROP WITHOUT CITY IDENT.														
							INTERIOR														
							NATIONAL PARK SERVICE														
1414	07073	11639	14	9999	005	03	EFFIGY MOUNDS NAT MON	1	3												
		2					GROUND			500		100						1			
							4 COUNTY TOTAL			750											
							APPANOOSE CO														
							CENTERVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03360	15401	14	1370	007	01	POST OFFICE	1	1												
		1					CENTERVILLE CITY SEWER			166		0						1			
							2 COUNTY TOTAL			166											
							AUDUBON CO														
							AUDUBON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03258	15393	14	0480	009	01	POST OFFICE	1	1												
		1					AUDUBON CITY SEWER			175		0						1			
							2 COUNTY TOTAL			175											
							BENTON CO														
							VINTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03236	15472	14	8670	011	01	POST OFFICE	1	1												
		1					VINTON CITY SEWER			750		0						1			
							2 COUNTY TOTAL			750											
							BLACK HAWK CO														
							CEDAR FALLS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03268	15398	14	1330	013	01	POST OFFICE	1	1												
							CEDAR FALLS MUN SEWER			20		0						1			
							WATERLOO														
							DEFENSE														
							NAVY														
1701	23072	01578	14	8790	013	01	RESERVE TRAINING CENTER	1													
							WATERLOO CITY SEWER			504		0						1			
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03237	15474	14	8790	013	01	POST OFF & COURTHOUSE	1	3												
							WATERLOO CITY SEWER			1,878		0						1			
							DEFENSE														
							ARMY														
2101	21981	17096	14	8790	013	01	USAR CENTER	1													
							WATERLOO CITY SEWER			1,055		0						1			
							FEDERAL AVIATION AGENCY														
6901	00000	12985	14	8790	013	01	WATERLOO AIRPT ADM BLDG	1	1												
		5					WATERLOO AIRPORT SEWER			425		0						1			
							10 COUNTY TOTAL			3,882											
							BOONE CO														
							BOONE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03271	15396	14	0930	015	01	POST OFFICE	1	1												
		1					BOONE CITY SEWER			200		0						1			
							2 COUNTY TOTAL			200											

GSA FORM 7XXC
MARCH 1960

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE		INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING				TYPE	DATE NO.	DATE DAY	DATE YR.
							BREMER CO															
							WAVERLY															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03220	15476	14	8840	017	01	POST OFFICE	1	1													
							WAVERLY CITY SEWER			208	0								1			
							DEFENSE															
							AIR FORCE															
5701	24203	10940	14	8840	017	03	WAVERLY AFS	1														
							GROUND			16,000	100								1			
		2					4 COUNTY TOTAL			16,208												
							BUCHANAN CO															
							INDEPENDENCE															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03125	15432	14	4010	019	01	POST OFFICE	1	1													
							INDEPENDENCE CITY SEWER			100	0								1			
							STORM LAKE															
							POST OFFICE															
1804	03233	15470	14	8100	019	01	BUREAU OF FACILITIES															
							POST OFFICE	1	1													
		2					STORM LAKE CITY SEWER			1,500	0								1			
							4 COUNTY TOTAL			1,600												
							CALHOUN CO															
							ROCKWELL CITY															
							POST OFFICE															
1804	03329	15463	14	7310	025	01	BUREAU OF FACILITIES															
							POST OFFICE	1	1													
		1					ROCKWELL CITY SEWER			150	0								1			
							2 COUNTY TOTAL			150												
							CARROLL CO															
							CARROLL															
							POST OFFICE															
1804	03269	15397	14	1250	027	01	BUREAU OF FACILITIES															
							POST OFFICE	1	1													
		1					CARROLL CITY SEWER			126	0								1			
							2 COUNTY TOTAL			126												
							CASS CO															
							ATLANTIC															
							POST OFFICE															
1804	03257	15392	14	0460	029	01	BUREAU OF FACILITIES															
							POST OFFICE	1	1													
		1					ATLANTIC CITY SEWER			2,400	0								1			
							2 COUNTY TOTAL			2,400												
							CEDAR CO															
							TIPTON															
							POST OFFICE															
1804	03234	15471	14	8380	031	01	BUREAU OF FACILITIES															
							POST OFFICE	1	1													
		1					TIPTON CITY SEWER			200	0								1			
							2 COUNTY TOTAL			200												
							CERRO GORDO CO															
							MASON CITY															
							DEFENSE															
							NAVY															
1701	84215	01508	14	5370	033	01	RES ELECTRONIC FACILITY	1														
							MASON CITY SEWER			300	0								1			
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03216	15445	14	5370	033	01	POST OFF & COURTHOUSE	1	3													
							MASON CITY SEWER			779	0								1			
							FEDERAL AVIATION AGENCY															
6901	00000	12982	14	5370	033	01	MASON CITY AIR AD BLDG	1	1													
							ARPT TO MASON CITY SEW			325	0								1			
		3					6 COUNTY TOTAL			1,404												
							CHEROKEE CO															
							CHEROKEE															
							POST OFFICE															
1804	03265	15404	14	1470	035	01	BUREAU OF FACILITIES															
							POST OFFICE	1	1													
		1					CHEROKEE CITY SEWER			80	0								1			
							2 COUNTY TOTAL			80												

GSA FORM 7450
MARCH 1961

OSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	COOLING				TYPE	DATE MO.	DAY	YR.
							CHICKASAW CO																
							NEW HAMPTON																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03348	15452	14	6020	037	0	POST OFFICE	1	1											1			
						1	NEW HAMPTON CITY SEWER			400		0											
		1					2 COUNTY TOTAL			400													
							CLARKE CO																
							OSCEOLA																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03353	15456	14	6430	039	0	POST OFFICE	1	1											1			
						1	OSCEOLA MUN SEWER			250		0											
		1					2 COUNTY TOTAL			250													
							CLAY CO																
							SPENCER																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03367	15469	14	7940	041	0	POST OFFICE	1	1											1			
						1	SPENCER CITY SEWER			425		0											
		1					2 COUNTY TOTAL			425													
							CLAYTON CO																
							GUTTENBERG																
							INTERIOR																
							FISH AND WILDLIFE SERV																
1413	09363	09770	14	3560	043	0	GUTTENBERG NAT FISH HAT	1	1											1			
						1	GUTTENBERG CITY SEWER			350		0											
							DEFENSE																
							CORPS OF ENG CIVIL																
9601	10550	17349	14	3560	043	0	MISS RIV L & D #1 RES	1												1			
						3	GROUND			950		100											
		2					4 COUNTY TOTAL			1,300													
							CLINTON CO																
							CLINTON																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03262	15407	14	1630	045	0	POST OFFICE	1	2											1			
						1	CLINTON CITY SEWER			717		0											
							VETERANS ADMINISTRATION																
3601	07284	00048	14	1630	045	0	V A DOMICILLARY	1	4											1			
						1	CLINTON CITY SEWER			55,000		0											
							DE WITT																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03326	15418	14	2280	045	0	POST OFFICE	1	1											1			
						1	DEWITT CITY SEWER			250		0											
		3					6 COUNTY TOTAL			55,967													
							CRAWFORD CO																
							DENISON																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03309	15415	14	2230	047	0	POST OFFICE	1	1											1			
						1	DENISON CITY SEWER			800		0											
		1					2 COUNTY TOTAL			800													
							DALLAS CO																
							PERRY																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03357	15460	14	6670	049	0	POST OFFICE	1	1											1			
						1	PERRY CITY SEWER			890		0											
		1					2 COUNTY TOTAL			890													
							DAVIS CO																
							BLOOMFIELD																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03272	15395	14	0880	051	0	POST OFFICE	1	1											1			
						1	BLOOMFIELD CITY SEWER			170		0											

OSA FORM 748C
MARCH 1961

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE		INDUSTRIAL WASTE			INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERCENT TREATED	VOLUME GALLONS PER DAY	SOURCE	PERCENT TREATED	PERCENT COOLING				TYPE	DATE MO.	DAY	YR.
							PROP WITHOUT CITY IDENT															
							AGRICULTURE															
							FOREST SERVICE															
1226	07784	06654	14	9999	051	0	L U FARM DWELLING	1	1										1			
						3	GROUND			40	100											
		2					4 COUNTY TOTAL			210												
							DECATUR CO															
							LAMONI															
							FEDERAL AVIATION AGENCY															
6901	43462	12981	14	4470	053	0	LAMONI LANDING FIELD	1	1										1			
						1	LAMONI LAND FLD SEWER			200	0											
							LEON															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03199	15439	14	4680	053	0	POST OFFICE	1	1										1			
						1	LEON CITY SEWER			70	0											
		2					4 COUNTY TOTAL			270												
							DELAWARE CO															
							MANCHESTER															
							INTERIOR															
							FISH AND WILDLIFE SERV															
1413	09144	09772	14	5180	055	0	MANCHESTER NAT FISH HAT	1	1								39		1			
						2	SPRING BRANCH					1,600,000		0	0							
						3	GROUND			1,100	100											
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03198	15440	14	5180	055	0	POST OFFICE	1	1										1			
						1	MANCHESTER CITY SEWER			175	0											
		2					5 COUNTY TOTAL			1,275		1,600,000										
							DES MOINES CO															
							BURLINGTON															
							DEFENSE															
							NAVY															
1701	24017	01519	14	1120	057	0	RESERVE TRAINING CENTER	1											1			
						1	BURLINGTON CITY SEWER			600	0											
							DEFENSE															
							ARMY															
2101	20445	19225	14	1120	057	0	IOWA ORD PLANT DIV A	1									39		1			
						2	SKUNK RIVER			84,000	100	500		100	0							
2101	20445	19235	14	1120	057	0	IOWA ORD PLANT DIV A	1											3	09	02	59
						2	BRUSH CREEK			394,490	100											
							GENERAL SERVICES ADMIN															
4706	03270	12288	14	1120	057	0	FEDERAL BUILDING PO	1	3										1			
						1	BURLINGTON CITY SEWER			2,610	0											
							ATOMIC ENERGY COMM															
8901	10528	01803	14	1120	057	0	IOWA ORDNANCE PLANT	1	5										3	09	02	59
						1	IOWA ORD PLANT SEWER			371,500	0											
8901	10528	01809	14	1120	057	0	IOWA ORDNANCE PLANT	1	5								39		3	09	02	59
						2	BRUSH CREEK					254,500		100	0							
		6					12 COUNTY TOTAL			853,200		255,000										
							DUBUQUE CO															
							DUBUQUE															
							DEFENSE															
							NAVY															
1701	22988	01532	14	2430	061	0	RESERVE TRAINING CENTER	1											1			
						1	DUBUQUE CITY SEWER			40	0											
							TREASURY															
							U S COAST GUARD															
2016	07990	08399	14	2430	061	0	CG DEPOT DUBUQUE	1	1										1			
						1	DUBUQUE CITY SEWER			200	0											
							GENERAL SERVICES ADMIN															
4706	03422	12294	14	2430	061	0	POST OFF & COURTHOUSE	1	3										1			
						1	DUBUQUE CITY SEWER			2,790	0											
							DEFENSE															
							CORPS OF ENG CIVIL															
9601	09669	17348	14	2430	061	0	MISS RIV LOCK & DAM #11	1											1			
						2	MISSISSIPPI RIVER			300	0	100		0	100							
						3	GROUND			400	100											
		4					9 COUNTY TOTAL			3,730		100										
							EMMET CO															
							ESTHERVILLE															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03136	15421	14	2790	063	0	POST OFFICE	1	1										1			
						1	ESTHERVILLE CITY SEWER			135	0											
		1					2 COUNTY TOTAL			135												

GSA FORM 2102C
MARCH 1961

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE		INDUSTRIAL WASTE			INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERCENT TREATED	VOLUME GALLONS PER DAY	LOCATION CODES	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO.	DAY	YR.
							FAYETTE CO													
							OELWEIN													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03350	15454	14	6280	065	0	POST OFFICE	1	1								1			
						1	OELWEIN CITY SEWER			300	0									
							WEST UNION													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03246	15478	14	9070	065	0	POST OFFICE	1	1								1			
						1	WEST UNION CITY SEWER			105	0									
		2					4 COUNTY TOTAL			405										
							FLOYD CO													
							CHARLES CITY													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03359	15403	14	1420	067	0	POST OFFICE	1	1								1			
						1	CHARLES CITY SEWER			516	0									
		1					2 COUNTY TOTAL			516										
							FRANKLIN CO													
							HAMPTON													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03129	15428	14	3600	069	0	POST OFFICE	1	1								1			
						1	HAMPTON CITY SEWER			1,240	0									
		1					2 COUNTY TOTAL			1,240										
							FREMONT CO													
							HAMBURG													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03130	15427	14	3580	071	0	POST OFFICE	1	1								1			
						1	HAMBURG MUN SEWER			190	0									
		1					2 COUNTY TOTAL			190										
							GREENE CO													
							JEFFERSON													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03175	15435	14	4120	073	0	POST OFFICE	1	1								1			
						1	JEFFERSON CITY SEWER			147	0									
		1					2 COUNTY TOTAL			147										
							HAMILTON CO													
							WEBSTER CITY													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03221	15477	14	8880	079	0	POST OFFICE	1	1								1			
						1	WEBSTER CITY SEWER			225	0									
		1					2 COUNTY TOTAL			225										
							HANCOCK CO													
							GARNER													
							DEFENSE													
							ARMY													
2101	21982	17091	14	3160	081	0	USAR CENTER	1									1			
						1	GARNER CITY SEWER			65	0									
		1					2 COUNTY TOTAL			65										
							HARDIN CO													
							ELDORA													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03325	15419	14	2630	083	0	POST OFFICE	1	1								1			
						1	ELDORA CITY SEWER			105	0									
							IOWA FALLS													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03176	15434	14	4060	083	0	POST OFFICE	1	1								1			
						1	IOWA FALLS CITY SEWER			170	0									
		2					4 COUNTY TOTAL			275										

GSA FORM 7002
MARCH 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE		INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERCENT TREATED	VOLUME GALLONS PER DAY	FOOTNOTE	PERCENT TREATED	PERCENT COOLING				TYPE	DATE MO.	DAY	YR.
							HARRISON CO															
							MISSOURI VALLEY INTERIOR															
							FISH AND WILDLIFE SERV															
1413	12972	09773	14	5650	085	03	DESOTO NAT WL REF DWELL	2	1										1			
							GROUND			250	100											
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03215	15446	14	5650	085	01	POST OFFICE	1	1										1			
							MISSOURI VALLEY CITY SEW			140	0											
							DEFENSE															
							AIR FORCE															
5701	25376	08965	14	5650	085	03	OFFUTT AFB-MSL SITE 3	1											1			
							GROUND			15,000	100											
		3					6 COUNTY TOTAL			15,390												
							HENRY CO															
							MT PLEASANT															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03345	15449	14	5870	087	01	POST OFFICE	1	1										1			
							MT PLEASANT CITY SEWER			650	0											
		1					2 COUNTY TOTAL			650												
							HOWARD CO															
							CRESCO															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03313	15411	14	1930	089	01	POST OFFICE	1	1										1			
							CRESCO CITY SEWER			120	0											
		1					2 COUNTY TOTAL			120												
							IDA CO															
							IDA GROVE															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03126	15431	14	3990	093	01	POST OFFICE	1	1										1			
							IDA GROVE CITY SEWER			100	0											
		1					2 COUNTY TOTAL			100												
							IOWA CO															
							AMANA															
							AGRICULTURE															
							FOREST SERVICE															
1226	07768	06004	14	0225	095	03	AMANA EXPER FOREST HQ	1	1										1			
							GROUND			50	100											
							MARENGO															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03403	15442	14	5280	095	01	POST OFFICE	1	1										1			
							MARENGO CITY SEWER			175	0											
		2					4 COUNTY TOTAL			225												
							JACKSON CO															
							BELLEVUE															
							DEFENSE															
							CORPS OF ENG CIVIL															
9601	09695	17347	14	0720	097	02	MISS RIV LOCK & DAM #12	1											1			
							MISSISSIPPI RIVER			300	0	100		0	100							
						03	GROUND			400	100											
							MAQUOKETA															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03197	15441	14	5240	097	01	POST OFFICE	1	1										1			
							MAQUOKETA MUN SEWER			100	0											
		2					5 COUNTY TOTAL			800		100										
							JASPER CO															
							NEWTON															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03349	15453	14	6090	099	01	POST OFFICE	1	1										1			
							NEWTON CITY SEWER			600	0											
		1					2 COUNTY TOTAL			600												

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	HOURS	PERCENT TREATED	PERCENT CODLINE				TYPE	DATE MO.	DATE DAY	DATE YR.
							JEFFERSON CO																
							FAIRFIELD																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03368	15422	14	2860	101	0	POST OFFICE	1	1											1			
						1	FAIRFIELD CITY SEWER			400		0											
		1					2 COUNTY TOTAL			400													
							JOHNSON CO																
							IOWA CITY																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03376	15433	14	4050	103	0	POST OFFICE	1	3											1			
						1	IOWA CITY SEWER			1,500		0											
							DEFENSE																
							ARMY																
2101	22250	17092	14	4050	103	0	USAR CENTER	1												1			
						1	IOWA CITY SEWER			3,210		0											
							VETERANS ADMINISTRATION																
3601	10288	00050	14	4050	103	0	V A HOSPITAL	1	4											1			
						1	IOWA CITY SEWER			150,000		0											
							DEFENSE																
							CORPS OF ENG CIVIL																
							CORALVILLE RESERVOIR																
9601	09692	17350	14	4050	103	0	CORALVILLE RESVR CONCESS	2												1			
						3	GROUND			400		100											
9601	09692	17351	14	4050	103	0	CORALVILLE RESVR DOCKS	2												1			
						3	GROUND			150	P	0											
9601	09692	17352	14	4050	103	0	CORALVILLE RESERVOIR	1												1			
						3	GROUND			260		100											
9601	09692	20374	14	4050	103	0	LAKE MACBRIDE REC AREA	2												1			
						3	GROUND			600		100											
9601	09692	20375	14	4050	103	0	SANDY BEACH REC AREA	1												1			
						3	GROUND			150	P	0											
		8					16 COUNTY TOTAL			155,970													
										300	P												
							JONES CO																
							ANAMOSA																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03256	15391	14	0240	105	0	POST OFFICE	1	1											1			
						1	ANAMOSA CITY SEWER			225		0											
							MONTICELLO																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03214	15447	14	5750	105	0	POST OFFICE	1	1											1			
						1	MONTICELLO CITY SEWER			200		0											
		2					4 COUNTY TOTAL			425													
							KEOKUK CO																
							SIGOURNEY																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03251	15467	14	7820	107	0	POST OFFICE	1	1											1			
						1	SIGOURNEY CITY SEWER			225		0											
		1					2 COUNTY TOTAL			225													
							KOSSUTH CO																
							ALGONA																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03384	15389	14	0150	109	0	POST OFFICE	1	1											1			
						1	ALGONA MUN SEWER			225		0											
							TITONKA																
							INTERIOR																
							FISH AND WILDLIFE SERV																
1413	09324	09775	14	8390	109	0	UNION SLOUGH WILD REF	1	1											1			
						1	TITONKA CITY SEWER			50		0											
		2					4 COUNTY TOTAL			275													
							LEE CO																
							FORT MADISON																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03132	15424	14	3030	111	0	POST OFFICE	1	1											1			
						1	FORT MADISON CITY SEWER			230		0											

GSA FORM 7002
MARCH 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE		INDUSTRIAL WASTE			INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERCENT TREATED	VOLUME GALLONS PER DAY	SOURCE	PERCENT TREATED	PERCENT CODED				TYPE	DATE MO.	DAY	YR.
							KEOKUK															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03202	15436	14	4250	111	0	POST OFF & COURTHOUSE	1	1										1			
						1	KEOKUK MUN SEWER			660	0											
							DEFENSE															
							ARMY															
2101	20470	17093	14	4250	111	0	KEOKUK NATL CEMETERY	1											1			
						1	KEOKUK CITY SEWER			100	0											
							DEFENSE															
							CORPS OF ENG CIVIL															
9601	09701	17353	14	4250	111	0	MISS RIV LOCK & DAM #19	1											1			
						2	MISSISSIPPI RIVER			400	0	100		0	100							
						3	GROUND			200	100											
		4					9 COUNTY TOTAL			1,590		100										
							LINN CO															
							CEDAR RAPIDS															
							DEFENSE															
							NAVY															
1701	00000	01473	14	1340	113	0	INSPECTOR NAV MATERIAL	1											1			
						1	CEDAR RAPIDS CITY SEWER			500	0											
1701	84227	01522	14	1340	113	0	RESERVE TRAINING CENTER	1											1			
						1	CEDAR RAPIDS MUNCPL SEW			300	0											
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	01306	15399	14	1340	113	0	VEHICLE MAINT FACILITY	1	2										1			
						1	CEDAR RAPIDS CITY SEWER			690	0											
1804	03267	15400	14	1340	113	0	POST OFF & COURTHOUSE	1	3										1			
						1	CEDAR RAPIDS CITY SEWER			1,875	0											
							FEDERAL AVIATION AGENCY															
6901	43457	12978	14	1340	113	0	CEDAR RAPIDS TR BLDG	1	1										1			
						1	CEDAR RAPIDS AIRPT SEW			675	0											
							MARION															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03218	15443	14	5290	113	0	POST OFFICE	1	1										1			
						1	MARION CITY SEWER			175	0											
		6					12 COUNTY TOTAL			4,215												
							LOUISA CO															
							COLUMBUS JCTN															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	13261	15408	14	1760	115	0	POST OFFICE	1	1										1			
						1	COLUMBUS JUNCTION SEWER			125	0											
		1					2 COUNTY TOTAL			125												
							LUCAS CO															
							CHARITON															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03266	15402	14	1410	117	0	POST OFFICE	1	1										1			
						1	CHARITON CITY SEWER			170	0											
		1					2 COUNTY TOTAL			170												
							LYON CO															
							ROCK RAPIDS															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03328	15462	14	7280	119	0	POST OFFICE	1	1										1			
						1	ROCK RAPIDS CITY SEWER			250	0											
		1					2 COUNTY TOTAL			250												
							MADISON CO															
							WINTERSET															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03247	15479	14	9200	121	0	POST OFFICE	1	1										1			
						1	WINTERSET CITY SEWER			110	0											
		1					2 COUNTY TOTAL			110												
							MAHASKA CO															
							OSKALOOSA															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03354	15457	14	6440	123	0	POST OFFICE	1	1										1			
						1	OSKALOOSA MUN SEWER			200	0											
		1					2 COUNTY TOTAL			200												

GSA FORM 7480
MARCH 1961

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE		INDUSTRIAL WASTE			INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT CODED			TYPE	DATE NO.	DAY	YR.
							MARION CO														
							KNOXVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03200	15437	14	4380	125	0	POST OFFICE	1	1									1			
						1	KNOXVILLE CITY SEWER			186	0										
							VETERANS ADMINISTRATION														
3601	07292	00051	14	4380	125	0	V A HOSPITAL	1	6									1			
						2	DES MOINES RIVER			231,000	100										
							PELLA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03356	15459	14	6650	125	0	POST OFFICE	1	1									1			
						1	PELLA CITY SEWER			1,300	0										
		3					6 COUNTY TOTAL			232,486											
							MARSHALL CO														
							MARSHALLTOWN														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03217	15444	14	5320	127	0	POST OFFICE	1	2									1			
						1	MARSHALLTOWN MUN SEWER			475	0										
		1					2 COUNTY TOTAL			475											
							MILLS CO														
							GLENWOOD														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03133	15425	14	3260	129	0	POST OFFICE	1	1									1			
						1	GLENWOOD CITY SEWER			100	0										
		1					2 COUNTY TOTAL			100											
							MITCHELL CO														
							OSAGE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03352	16455	14	6420	131	0	POST OFFICE	1	1									1			
						1	OSAGE CITY SEWER			1,194	0										
		1					2 COUNTY TOTAL			1,194											
							MONONA CO														
							ONAWA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03352	15455	14	6350	133	0	POST OFFICE	1	1									1			
						1	ONAWA CITY SEWER			100	0										
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	17355	14	6350	133	0	WORK BARGE	1										1			
						3	GROUND			2P	100										
9601	12552	17354	14	6350	133	0	ONAWA AREA OFFICE	1										1			
						1	ONAWA CITY SEWER			600	0										
		3					6 COUNTY TOTAL			700											
										2P											
							MONROE CO														
							ALBIA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03259	15388	14	0100	135	0	POST OFFICE	1	1									1			
						1	ALBIA CITY SEWER			200	0										
		1					2 COUNTY TOTAL			200											
							MONTGOMERY CO														
							RED OAK														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03387	15461	14	7100	137	0	POST OFFICE	1	1									1			
						1	RED OAK CITY SEWER			92	0										
		1					2 COUNTY TOTAL			92											
							MUSCATINE CO														
							MUSCATINE														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	09179	09774	14	5930	139	0	FAIRPORT NAT FISH HATCH	1	1									1			
						3	GROUND			450	100										

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE		INDUSTRIAL WASTE			INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS / PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING				TYPE	DATE MO.	DAY	YR.
						0	POST OFFICE															
							BUREAU OF FACILITIES															
1804	03346	15450	14	5930	139	0	POST OFFICE	1	2										1			
						1	MUSCATINE CITY SEWER			68	0											
		2					4 COUNTY TOTAL			518												
							O BRIEN CO															
							SHELDON															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03249	15465	14	7750	141	0	POST OFFICE	1	1										1			
						1	SHELDON CITY SEWER			150	0											
		1					2 COUNTY TOTAL			150												
							PAGE CO															
							CLARINDA															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03264	15405	14	1540	145	0	POST OFFICE	1	1										1			
						1	CLARINDA CITY SEWER			341	0											
							SHENANDOAH															
							AGRICULTURE															
							AGR RESEARCH SERVICE															
1212	13093	07923	14	7780	145	0	S AND W RES DIV	1	1										1			
						3	GROUND			125	100											
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03250	15466	14	7780	145	0	POST OFFICE	1	1										1			
						1	SHENANDOAH CITY SEWER			180	0											
		3					6 COUNTY TOTAL			646												
							PALO ALTO CO															
							EMMETSBURG															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03344	15420	14	2760	147	0	POST OFFICE	1	1										1			
						1	EMMETSBURG MUN SEWER			300	0											
		1					2 COUNTY TOTAL			300												
							PLYMOUTH CO															
							HINTON															
							INTERIOR															
							BUR OF RECLAMATION															
1417	06948	10412	14	3850	149	0	SIOUX CITY SUBSTATION	1	1										1			
						3	GROUND			600	100											
							LE MARS															
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03201	15438	14	4660	149	0	POST OFFICE	1	1										1			
						1	LE MARS CITY SEWER			230	0											
		2					4 COUNTY TOTAL			830												
							POLK CO															
							DES MOINES															
							AGRICULTURE															
							SOIL CONSERVATION SER															
1229	07452	09269	14	2260	153	0	REPAIR SHOP	1	1										1			
						1	DES MOINES CITY SEWER			50	0											
							DEFENSE															
							NAVY															
1701	00000	01484	14	2260	153	0	RECRUITING STATION	1											1			
						1	DES MOINES CITY SEWER			500	0											
							POST OFFICE															
							BUREAU OF FACILITIES															
1804	03286	15416	14	2260	153	0	POST OFFICE GARAGE	1	4										1			
						1	DES MOINES CITY SEWER			9,100	0											
1804	03286	15417	14	2260	153	0	POST OFFICE	1	2										1			
						1	DES MOINES CITY SEWER			1,225	0											
							VETERANS ADMINISTRATION															
3601	10262	00049	14	2260	153	0	V A HOSPITAL	1	4										1			
						1	DES MOINES CITY SEWER			71,000	0											
							GENERAL SERVICES ADMIN															
4706	03423	12291	14	2260	153	0	COURT HOUSE	1	3										1			
						1	DES MOINES CITY SEWER			4,995	0											

GSA FORM 7410C
MARCH 1961

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOURCE	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO.	DAY	YR.
4706	03424	12293	14	2260	153	0	FEDERAL OFFICE BUILDING	1	3									1			
						1	DES MOINES CITY SEWER			2,272		0									
4706	03440	12292	14	2260	153	0	FEDERAL BUILDING	1	3									1			
						1	DES MOINES CITY SEWER			9,270		0									
4706	20264	12290	14	2260	153	0	BLDG 68 FORT DES MOINES	1	1									1			
						1	DES MOINES CITY SEWER			283		0									
							FEDERAL AVIATION AGENCY														
6901	43460	12979	14	2260	153	0	DES MOINES AIRPT AD BLDG	1	1									1			
						1	DES MOINES AIRPT SEWER			575		0									
							FT DES MOINES														
							DEFENSE														
							NAVY														
1701	24018	01530	14	3015	153	0	RESERVE TRAINING CENTER	1										1			
						1	DES MOINES CITY SEWER			500		0									
							DEFENSE														
							ARMY														
2101	20264	17090	14	3015	153	0	FT DES MOINES	1										1			
						1	DES MOINES CITY SEWER			38,320		0									
		12					24 COUNTY TOTAL			138,090											
							POTTAWATTAMIE CO														
							COUNCIL BLUFFS														
							DEFENSE														
							ARMY														
2101	00000	19739	14	1900	155	0	445 TRAIL RIDGE	1													
						1	COUNCIL BLUFFS CITY SEW			300		0						1			
2101	00000	19740	14	1900	155	0	R F D #2	1													
						3	GROUND			600		100						1			
2101	00000	20797	14	1900	155	0	LSD HSG MIL 6 HOUSES	1													
						1	COUNCIL BLUFFS CITY SEW			2,400		0						1			
2101	00000	20798	14	1900	155	0	LSD HSG MIL 7 HOUSES	1													
						1	COUNCIL BLUFFS CITY SEW			2,700		0						1			
2101	00000	20799	14	1900	155	0	LSD HSG MIL 5 HOUSES	1													
						1	COUNCIL BLUFFS CITY SEW			1,800		0						1			
2101	00000	20800	14	1900	155	0	LSD HSG MIL 6 HOUSES	1													
						1	COUNCIL BLUFFS CITY SEW			2,500		0						1			
2101	21877	17088	14	1900	155	0	USAR CENTER	1													
						1	COUNCIL BLUFFS CITY SEW			255		0						1			
							GENERAL SERVICES ADMIN														
4706	03425	12289	14	1900	155	0	FEDERAL BUILDING	1	3												
						1	COUNCIL BLUFFS CITY SEW			3,082		0						1			
							TREYNOR														
							DEFENSE														
							ARMY														
2101	22118	17095	14	8430	155	0	NIKE OFFUTT AFB SITE 10	1													
						3	GROUND			2,844		100						1			
2101	22118	19119	14	8430	155	0	NIKE OFFUTT AFB SITE 10	1													
						3	GROUND			1,350		100						1			
						3	GROUND				BP	100									
		10					21 COUNTY TOTAL			17,831											
											BP										
							POWESHIEK CO														
							GRINNELL														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03131	15426	14	3500	157	0	POST OFFICE	1	1												
						1	GRINNELL CITY SEWER			58		0						1			
		1					2 COUNTY TOTAL			58											
							RINGGOLD CO														
							MT AYR														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03213	15448	14	5860	159	0	POST OFFICE	1	1												
						1	MOUNT AYR TOWN SEWER			80		0						1			
		1					2 COUNTY TOTAL			80											
							SAC CO														
							SAC CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03330	15464	14	7490	161	0	POST OFFICE	1	1												
						1	SAC CITY SEWER			165		0						1			
		1					2 COUNTY TOTAL			165											

GSA FORM 748C
MARCH 1961

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOURCE	PERCENT TREATED	PERCENT COOLING				TYPE	DATE MO.	DAY	YR.
							SCOTT CO																
							DAVENPORT																
							DEFENSE																
							NAVY																
1701	23670	01527	14	2080	163	0	RESERVE TRAINING CENTER	1												1			
						1	DAVENPORT CITY SEWER			600		0											
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03311	15413	14	2080	163	0	POST OFF & COURTHOUSE	1	3											1			
						1	DAVENPORT CITY SEWER			1,635		0											
							DEFENSE																
							ARMY																
2101	21799	17089	14	2080	163	0	USAR CENTER	1	4											1			
						1	DAVENPORT CITY SEW			245		0											
							PROP WITHOUT CITY IDENT																
							DEFENSE																
							CORPS OF ENG CIVIL																
9601	09697	17357	14	9999	163	0	MISS RIV LOCK & DAM #14	1												1			
						2	MISSISSIPPI RIVER			300		0	100		0	100							
						3	GROUND			400		100											
9601	09703	17356	14	9999	163	0	LECLAIRE SERVICE BASE	1												1			
						3	GROUND			230		100											
		5					11 COUNTY TOTAL			3,410			100										
							SHELBY CO																
							HARLAN																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03128	15429	14	3660	165	0	POST OFFICE	1	1											1			
						1	HARLAN MUN SEWER			104		0											
		1					2 COUNTY TOTAL			104													
							SIOUX CO																
							HAWARDEN																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03127	15430	14	3760	167	0	POST OFFICE	1	1											1			
						1	HAWARDEN MUN SEWER			120		0											
		1					2 COUNTY TOTAL			120													
							STORY CO																
							AMES																
							AGRICULTURE																
							AGR RESEARCH SERVICE																
1212	07325	07820	14	0230	169	0	HOG CHOLERA RES STA	1	1											1			
						3	GROUND			500		100											
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03255	15390	14	0230	169	0	POST OFFICE	1	2											1			
						1	AMES CITY SEWER			2,000		0											
							ATOMIC ENERGY COMM																
8901	08950	01831	14	0230	169	0	IOWA STATE UNIVERSITY	1	4										28	1			
						1	AMES CITY SEWER			50,000		0	150,000		100	50							
							NEVADA																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03347	15451	14	5980	169	0	POST OFFICE	1	1											1			
						1	NEVADA CITY SEWER			185		0											
		4					8 COUNTY TOTAL			52,685			150,000										
							TAMA CO																
							TAMA																
							INTERIOR																
							BUR OF INDIAN AFFAIRS																
1415	09048	09453	14	8260	171	0	GR LAKES SAC-FOX D SCHL	1	2											1			
						3	GROUND			3,000		100											
		1					2 COUNTY TOTAL			3,000													
							TAYLOR CO																
							BEDFORD																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03389	15394	14	0700	173	0	POST OFFICE	1	1											1			
						1	BEDFORD MUN SEWER			100		0											
		1					2 COUNTY TOTAL			100													

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING				TYPE	DATE MO.	DAY	YR.
							UNION CO																
							CRESTON																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03312	15412	14	1940	175	0	POST OFF & COURTHOUSE	1	1											1			
						1	CRESTON MUN SEWER			314		0											
		1					2 COUNTY TOTAL			314													
							VAN BUREN CO																
							PROP WITHOUT CITY IDENT																
							AGRICULTURE																
							FOREST SERVICE																
1226	07784	06655	14	9999	177	0	L U FARM DWELLING	1	1											1			
						3	GROUND			80		100											
		1					2 COUNTY TOTAL			80													
							WAPELLO CO																
							OTTUMWA																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03355	15458	14	6490	179	0	POST OFF & COURTHOUSE	1	1											1			
						1	OTTUMWA CITY SEWER			250		0											
							FEDERAL AVIATION AGENCY																
6901	00000	12983	14	6490	179	0	OTTUMWA AIRPT OPER BLDG	1	1											1			
						1	OTTUMWA AIRPORT SEWER			250		0											
		2					4 COUNTY TOTAL			500													
							WASHINGTON CO																
							WASHINGTON																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03235	15473	14	8770	183	0	POST OFFICE	1	1											1			
						1	WASHINGTON CITY SEWER			200		0											
		1					2 COUNTY TOTAL			200													
							WAYNE CO																
							CORYDON																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03260	15410	14	1870	185	0	POST OFFICE	1	1											1			
						1	CORYDON CITY SEWER			125		0											
		1					2 COUNTY TOTAL			125													
							WEBSTER CO																
							FORT DODGE																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03134	20970	14	3020	187	0	POST OFFICE & COURTHOUSE	1	2											1			
						1	FORT DODGE CITY SEWER			2,150		0											
							GENERAL SERVICES ADMIN																
4706	13126	12295	14	3020	187	0	FEDERAL BUILDING	1	3										39	1			
						1	FORT DODGE CITY SEWER			10,224		0	23,866		0	60							
							FEDERAL AVIATION AGENCY																
6901	00000	12980	14	3020	187	0	FT DODGE AIRPT AD BLDG	1	1											1			
						1	FORT DODGE AIRPORT SEWER			50		0											
		3					6 COUNTY TOTAL			12,424			23,866										
							WINNEBAGO CO																
							FOREST CITY																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03135	15423	14	3000	189	0	POST OFFICE	1	1											1			
						1	FOREST CITY SEWER			100		0											
		1					2 COUNTY TOTAL			100													
							WINNESHIEK CO																
							DECORAH																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03310	15414	14	2130	191	0	POST OFFICE	1	1											1			
						1	DECORAH MUN SEWER			250		0											
		1					2 COUNTY TOTAL			250													

GSA FORM 748C
MARCH 1961

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOURCE	PERCENT TREATED	PERCENT COOLING				TYPE	DATE MO.	DAY	YR.
							WOODBURY CO																
							SERGANT BLUFF																
							DEFENSE																
							AIR FORCE																
5701	24256	10939	14	7670	193	0	SIOUX CITY MUNI AIRPORT	1												1			
						2	MISSOURI RIVER			350,000		0											
							SIOUX CITY																
							DEFENSE																
							NAVY																
1701	23063	01571	14	7850	193	0	RESERVE TRAINING CENTER	1												1			
						1	SIOUX CITY SEWER			110		0											
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	00732	15468	14	7850	193	0	VEHICLE MAINT FACILITY	1	2											1			
						1	SIOUX CITY SEWER			150		0											
							DEFENSE																
							ARMY																
2101	00000	19741	14	7850	193	0	5601 SOUTH WINDSOR	1												1			
						1	SIOUX CITY SEWER			300		0											
2101	00000	20801	14	7850	193	0	LSD HSG MIL 5 HOUSES	1												1			
						1	SIOUX CITY SEWER			1,300		0											
2101	21980	17094	14	7850	193	0	USAR CENTER	1												1			
						1	SIOUX CITY SEWER			920		0											
							GENERAL SERVICES ADMIN																
4706	03252	12296	14	7850	193	0	FEDERAL BUILDING	1	3											1			
						1	SIOUX CITY SEWER			5,000		0											
							FEDERAL AVIATION AGENCY																
6901	43461	12984	14	7850	193	0	SIOUX CITY AIR ADM BLDG	1	1											1			
						1	SIOUX CITY AIRPT SEWER			525		0											
		8					16 COUNTY TOTAL			358,305													
							WRIGHT CO																
							CLARION																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	13263	15406	14	1550	197	0	POST OFFICE	1	1											1			
						1	CLARION CITY SEWER			170		0											
		1					2 COUNTY TOTAL			170													
		179					364 STATE TOTAL			1,957,778			2,029,266										
										40P													

GSA FORM 748C
MARCH 1961

APPENDIX

GENERAL SERVICES ADMINISTRATION
WASHINGTON 25, D. C.

March 14, 1961

GENERAL SERVICES ADMINISTRATION CIRCULAR NO. 232

TO : Heads of Federal Agencies

SUBJECT: Reports on Waste Water Disposal Practices at Federal Installations

1. Purpose. This circular prescribes (a) reports necessary for the compilation of an inventory of waste water disposal practices at Federal installations, both owned by and leased to the United States, as of December 31, 1960; and (b) forms with detailed instructions for the preparation and submission of these inventory reports to the General Services Administration by the reporting agencies.

2. Authority. The authority of the Surgeon General of the U. S. Public Health Service to prescribe an inventory of waste water disposal practices at Federal installations is based upon sections 4c and 9 of the Federal Water Pollution Control Act (33 U.S.C. 466 c and h).

The President in a memorandum dated May 13, 1960, requested the Secretary of Health, Education, and Welfare "to take the lead in making an inventory of the pollution control situation at Federal installations." The Deputy Assistant to the President in a letter dated May 18, 1960, to the Heads of all Federal agencies advised them of the President's instructions to the Secretary of Health, Education, and Welfare and stated that, "the President has asked that you provide such assistance as may be requested by the Secretary of Health, Education, and Welfare in making this inventory and in completing it promptly."

The Secretary of Health, Education, and Welfare in a memorandum of agreement dated January 4, 1961, requested that the General Services Administration assist the Public Health Service in compiling an inventory of waste water disposal practices at Federal installations.

3. Reporting Agency. A reporting agency, for the purpose of this inventory, is the same as the one reporting for the inventories of real property owned by and/or leased to the United States Government as prescribed in GSA Reg. 2-XI-201.01 and 2-XI-202.01.

Preceding page blank

4. Coverage. The reports of waste water disposal practices prescribed by this circular shall cover all waste water generated by activities of the United States, from all real property owned by and leased to the Federal Government, including wholly owned Government corporations, in the fifty States of the United States, the District of Columbia, the Commonwealth of Puerto Rico, and the Virgin Islands. Reports shall also cover waste water from (1) nonfederal activities conducted in Federal buildings or structures and (2) activities on Federal land carried on by a nonfederal operator acting as an agent for and under the supervision of the United States, such as construction contractors and park concessionaires. For purposes of this circular, waste water disposal is defined to include (a) all discharges from building plumbing systems, (b) all fecal discharges whether or not water carried, (c) all liquid wastes from active or abandoned industrial activities, including cooling waters, and (d) all solid wastes from active or abandoned industrial activities which are discharged directly into, or which may find their way into, surface or ground waters.

Reports are required for all real property owned by and leased to the United States except:

a. Installations held in trust by the United States,

b. All building locations leased to the United States for use as offices or post offices, as reportable on GSA Form 1166A,

c. Installations consisting only of land where there are no reportable activities generating wastes as defined in the preceding paragraph,

d. Lookout towers, ranger offices and single quarters in National Forests and other remote areas, and

e. Installations from which no wastes as defined in this circular are generated, such as seldom-visited, unattended installations consisting of automatic signalling, lighting, gauging or warning devices.

5. Reports to be Submitted. Each reporting agency shall prepare, in accordance with instructions in Attachment 1a, and submit to the General Services Administration, a separate report on GSA Form 1166C, Report of Waste Water Disposal Practices at Federal Installations (Attachment 1) for each reporting entity as defined in Attachment 1a, Paragraph 1, as of December 31, 1960.

Each reporting agency shall also prepare, in accordance with instructions in Attachment 2a, and submit to General Services Administration for each Bureau or comparable organizational unit, a report on GSA Form 1209C, Number of Reports Submitted - Waste Water Disposal Practices at Federal Installations (Attachment 2).

An original and two copies of each report shall be submitted to the General Services Administration, Office of Comptroller, Washington 25, D. C., not later than 120 days subsequent to date of issuance of this circular.

6. Supplies of Forms. GSA Forms 1166C and 1209C may be obtained from General Services Administration, Office of Regional Administrative Assistant, Reproduction and Distribution Division, General Services Regional Office Building, Washington 25, D. C. The telephone number is Government dial code 13, extension 36453.

7. Agency Liaison. The Agency Liaison representative on real property inventories, designated pursuant to GSA Regulation 2-XI-101.06, also shall serve for purposes of this inventory. If desired, a special agency representative may be designated for purposes of this inventory of waste water disposal practices at Federal installations. When an agency designates a special representative for this inventory, it shall be his responsibility to coordinate all reports with the regular real property liaison representative. The General Services Administration, Office of Comptroller, Washington 25, D. C., shall be advised in writing of the names of all such special liaison representatives or any changes in such designation.

8. Inquiries. For additional information regarding the content of this circular, or any questions or problems relating thereto, agency representatives may communicate with the General Services Administration, Office of Comptroller, Washington 25, D. C., telephone: Government dial code 183, extension 4131.

John L. Moore

JOHN L. MOORE
Administrator

Attachments

GSA CIRCULAR NO. 232 - Attachment 1

GENERAL SERVICES ADMINISTRATION

REPORT OF WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS

FORM APPROVED BUDGET BUREAU NO. 29-6102

1. AGENCY CONTROL NO.

2. REPORT AS OF December 31, 1960

3. GSA CONTROL NO.

4. THIS BLOCK FOR GSA USE

5. NAME OF INSTALLATION*

6. ACTIVITY (Check one)
☐ (1) FEDERAL ACTIVITY ☐ (2) NONFEDERAL ACTIVITY

7. REPORTING AGENCY

8. INSTALLATION POPULATION (Check one)
☐ (1) 1- 50 ☐ (5) 1001-2500
☐ (2) 51-100 ☐ (6) 2501-5000
☐ (3) 101-500 ☐ (7) 5001-10,000
☐ (4) 501-1000 ☐ (8) MORE THAN 10,000

9. BUREAU OR OTHER MAJOR ORGANIZATION

LOCATION OF INSTALLATION

10. STATE OR CONT.

11. CITY OR TOWN

12. STREET ADDRESS, RFD, ROUTE NO., OR OTHER LOCAL DESIGNATION

13. COUNTY OR COUNTRY

14. GEOGRAPHICAL CODE | STATE OR CONT. | CITY OR TOWN | COUNTY OR COUNTRY

WASTE WATER DISCHARGE

CODE	15. POINT OF DISCHARGE	SEWAGE 16. EST. DISCHARGE/DAY (gallons)	SEWAGE 17. PERCENT TREATED	INDUSTRIAL WASTE 18. EST. DISCHARGE/DAY (gallons)	INDUSTRIAL WASTE 19. PERCENT TREATED	INDUSTRIAL WASTE 20. PERCENT COOLING
1.	PUBLIC UTILITY SEWER (Name of Owner and/or Operator)*					
2.	SURFACE WATER BODY (Name of Body)*					
3.	GROUND					
4.	TRANSFERRED TO OTHER USERS					
	TOTAL					

21. ACTIVITIES GENERATING INDUSTRIAL WASTE (Check as appropriate)

☐ (10) METAL MINING
☐ (11) ANTHRACITE, BITUMINOUS COAL & LIGNITE MINING
☐ (13) CRUDE PETROLEUM & NATURAL GAS EXTRACTION
☐ (14) MINING & QUARRYING OF NONMETALLIC MINERALS, EXCEPT FUELS
☐ (18) RADIOACTIVE MATERIALS OPERATIONS
☐ (20) FOOD AND KINDRED PRODUCTS
☐ (22) TEXTILE MILL PRODUCTS
☐ (24) LUMBER AND WOOD PRODUCTS
☐ (26) PAPER AND ALLIED PRODUCTS
☐ (28) CHEMICALS AND ALLIED PRODUCTS
☐ (29) PRODUCTS OF PETROLEUM AND COAL
☐ (30) RUBBER AND RUBBER PRODUCTS
☐ (31) LEATHER AND LEATHER PRODUCTS
☐ (33) PRIMARY METAL INDUSTRIES
☐ (34) FABRICATED METAL PRODUCTS
☐ (39) MISCELLANEOUS MANUFACTURING INDUSTRIES

22. NOTICE ON WATER POLLUTION (Check and complete as appropriate)

☐ (1) NO NOTIFICATION RECEIVED
☐ (2) FORMAL NOTICE _____ (Date)
☐ (3) LETTER REPORT _____ (Date)
☐ (4) VERBAL REPORT _____ (Date)

23. REMARKS (Use reverse if more space is required)

24. PREPARED BY (Type name and title)

25. SIGNATURE

26. DATE

*Abbreviate when necessary so as not to exceed 23 letters and spaces.

GSA FORM FEB 61 1166C

Preceding page blank

INSTRUCTIONS FOR THE PREPARATION OF GSA FORM 1166C, REPORT OF WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS

1. General Instructions.

a. Coverage and Reporting Agency. GSA Form 1166C, Report of Waste Water Disposal Practices at Federal Installations, shall be prepared by all reporting agencies as of December 31, 1960, in an original and two carbon copies. These reports shall cover all waste water generated by activities of the United States, from all real property owned by and leased to the Federal Government, including wholly owned Government corporations, in the fifty States of the United States, the District of Columbia, the Commonwealth of Puerto Rico, and the Virgin Islands. Reports shall also cover waste water from (1) nonfederal activities conducted in Federal buildings or structures and (2) activities on Federal land carried on by a nonfederal operator acting as an agent for and under the supervision of the United States, such as construction contractors and park concessionaires. For purposes of this circular, waste water disposal is defined to include (a) all discharges from building plumbing systems, (b) all fecal discharges whether or not water carried, (c) all liquid wastes from active or abandoned industrial activities, including cooling waters, and (d) all solid wastes from active or abandoned industrial activities which are discharged directly into, or which may find their way into, surface or ground waters.

Reports are required for all real property owned by and leased to the United States except:

(1) Installations held in trust by the United States,

(2) All building locations leased to the United States for use as offices or post offices, as reportable on GSA Form 1166A,

(3) Installations consisting only of land where there are no reportable activities generating wastes as defined in the preceding paragraph,

(4) Lookout towers, ranger offices and single quarters in National Forests and other remote areas, and

(5) Installations from which no wastes as defined in this circular are generated, such as seldom-visited, unattended installations consisting of automatic signalling, lighting, gauging or warning devices.

Preceding page blank

For purposes of this inventory, a reporting agency shall be the same as that prescribed for the annual inventories of real property owned by and leased to the United States Government in GSA Regulations 2-XI-201.01 and 2-XI-202.01.

b. Reporting Entity. It is the purpose of this inventory to locate and describe the sources of all wastes generated from Federal installations which affect, or are likely to affect, the quality of either surface or ground waters. Thus, a reporting entity for purposes of this inventory may differ somewhat from the entity used in the inventories of real property owned by and leased to the United States.

(1) Single Report from Federal Installations.

A Federal installation which generates waste discharging to not more than one of any or all types of discharge points as described in Block 15 of these instructions is the same reporting entity for this inventory as in the Federal real property inventories. Reports should be so prepared that waste waters which are discharged from a single waste water system within an installation through one or more effluent pipes directly into a single surface water body are included in one reporting entity.

(2) Two or more Reports from Federal Installations.

(a) A Federal installation which generates waste discharging to more than one of any or all types of discharge points as described in Block 15 of these instructions is the subject of two or more reports. In the case of these installations, a reporting entity is to be determined in accordance with the occurrence and location of any activities taking place thereon which result in the discharge of waste waters to a water body or to the ground. If waste waters are separately handled in separate parts of an installation, even though effluents are discharged to the same water body but at different discharge points, individual reports shall be prepared for each of the separate systems.

Example: An individual unit of a military base having its own sewage disposal facilities is considered a reporting entity even though the effluent from this unit enters the same stream as that receiving the waste waters from some other part of the base.

(b) Wherever waste waters are discharged to two or more different bodies of water, or to widely separated points on the same body of water, each such discharge shall be considered to be a separate reporting entity.

Example: Two parts of a single Federal installation discharging waste waters separately to two different streams are considered as two separate reporting entities.

(c) Where waste waters are disposed of into two or more points of the ground, all such disposal facilities on a Federal installation which are located within a radius of one-half mile shall be included in one reporting entity unless there are well-defined units with a lesser radius which will more exactly describe the facilities.

2. Specific Instructions for Preparation of GSA Form 1166C.

a. Date, Agency, and Property Identification.

Block 1. Agency Control No. For identification purposes, each reporting agency may assign an agency control number to each report.

Block 2. Report As Of. The effective date of this report, December 31, 1960, is preprinted on the form.

Block 3. GSA Control No. Enter in this block the GSA control number assigned to the GSA Forms 1166 or 1166A covering the real property owned by or leased to the Federal Government for which this report is prepared. In some cases several reports for the purpose of this inventory may be covered by real property reported under one GSA control number on GSA Forms 1166 or 1166A. In the case of installations being reported for the first time enter ("NEW").

Block 4. This block for GSA use.

Block 5. Name of Installation. When this report covers all real property reported on GSA Forms 1166 or 1166A as of June 30, 1960; enter the same name shown on these forms. When this report covers only a part of the real property previously reported, enter the commonly used name for the portion of the real property being reported. When an installation is located in more than one State, a separate report is required to cover the

portion of the installation located in each State. Abbreviate the name of the installation, when necessary, so that it shall not exceed 23 type spaces, including blank spaces between letters or words. For example, "First National Bank Building" which has 28 type spaces may be abbreviated "First Nat Bank Bldg".

Block 6. Activity. Check the applicable box to indicate the predominant activity generating waste waters. These activities are:

Code	Activity Type
1	Federal activity.
2	Nonfederal activity.

Only one box should be checked for each report. When only activity of the United States Government generates the reported waste, check the box for Code 1. When a Federal installation contains some minor nonfederal activities which generate waste flowing into the same point of discharge being reported for U. S. activities, check only the box for Code 1. Examples of these minor activities are a restaurant concession occupying a small portion of a Federal building, laundries, and gasoline facilities on military installations, etc. When nonfederal activities on Federal real property are the major or only source generating waste reported, check the box for Code 2 and give the name of the operator in Block 23, Remarks.

Block 7. Reporting Agency. Enter the name of the reporting agency; that is, the department, commission, administration, or authority. For example: Department of Commerce, Atomic Energy Commission, Veterans Administration, or Tennessee Valley Authority.

Block 8. Installation Population. Check the box for the appropriate code to show the total number of persons in the area covered by this report during a 24-hour day of normal operations. The codes and respective population description follow.

Code	Number of Persons
1	1-50
2	51-100
3	101-500
4	501-1000
5	1001-2500
6	2501-5000
7	5001-10,000
8	more than 10,000

Block 9. Bureau or Other Major Organization. Enter the name of the reporting Bureau or comparable major organization unit within the reporting agency. For example: National Bureau of Standards.

Block 10. State or Continent. Enter the name of the State (in U.S.) or continent (outside U.S.) in which the real property is located. When an installation is located in more than one State, a separate report shall be submitted to cover the portion of the installation located in each State.

Block 11. City or Town. Enter the name of the city or town in or near which the installation is located, provided (1) the installation is in one county only, and (2) the designated city or town is in the same county as the location of the installation (Block 13.). When these circumstances do not apply, enter "No City Identification".

Block 12. Street Address. Enter the street address, RFD, route number or other local designation.

Block 13. County or Country. Enter the name(s) of the county, counties, parish(es) (in U.S.) or U.S. territory or possession, (outside U.S.) in which the real property is located. Separate reports for each county in the same State are not required; however, the name of each county must be entered in this block. If the space is insufficient, complete the list of counties under "Remarks", Block 23.

Block 14. Geographical Code. Enter the appropriate numerical code for the location of the installation as shown in Blocks 10, 11, and 13 in the following sequence: State or Continent (2 digits), City or Town (4 digits), County or Country (3 digits). (Example: Coral

Gables, Dade County, Florida, will be shown as 09-0670-025.)

Codes shall be obtained from the publication "Geographical Location Codes", issued by the General Services Administration, Office of Comptroller. (See GSA Circular No. 146, Revision No. 2, dated June 30, 1960.) Do not fill in this space if the geographical code is not known. When the location of the installation cannot be identified with any city (Block 11) the code under "City" shall be reported as 9999. When the installation is located in more than one county (Block 13), the code under "County" shall be reported as 999.

b. Waste Water Discharge.

Block 15. Point of Discharge. The points of discharge are preprinted in this block.

When one of the points of discharge is a public utility sewer, enter the name of the owner and/or operator of the sewer system in the appropriate space provided in this block under the preprinted "Public Utility Sewer." Abbreviate the name of the owner, when necessary, so as not to exceed 23 type spaces and/or letters, including the blank spaces between letters or words.

When one of the points of discharge is a surface water body, enter the name of this body in the space provided in Block 15 under "Surface Water Body." Abbreviate the name of the body, when necessary, so as not to exceed 23 type spaces and/or letters, including blank spaces between letters or words. The various points of discharge are described below.

Code	Description
1	Public Utility Sewers are generally municipal, county, or other local governmental systems. They are also defined to include any pipe, conduit, or receiving chamber which is part of a sewer system owned and/or operated by any other than the reporting entity.
2	Surface Water Body shall mean any river, stream, lake, pond, tidal, or estuarial water.

It shall include sewage lagoons or waste stabilization ponds, whose effluents discharge to a surface water body.

3 Ground shall mean the discharge into septic tanks, cesspools and subsurface disposal fields, privy vaults, chemical toilets, sewage lagoons or stabilization ponds where no effluent discharges to a surface water body. Also include deep wells or spray and other irrigation on land of the reporting entity.

4 Transferred to Other Users shall mean that the waste water discharge is actually piped or otherwise transferred to some person, public or private body other than the reporting entity for use such as for cooling purposes, or irrigation on land not within the reporting entity.

Block 16. Estimated Sewage Discharge Per Day. Enter the estimated average discharge of sewage in gallons per day for each point of discharge printed in Block 15. Include all discharges from building plumbing systems. In the case of fecal discharges which are not water-carried, enter the number of persons using that particular facility during an average day and use the letter "P" after the figure for number of persons. Show the total discharge as reported in gallons for Codes 1, 2, 3, and 4, and enter the total in the space so marked.

Block 17. Percent of Sewage Treated. For each point of discharge reported in Block 16, enter the percent to show the portion of this sewage which is treated by the reporting agency and/or lessee of the property. Under "Remarks" Block 23, describe briefly this treatment.

Block 18. Estimated Industrial Waste Discharge Per Day. This block is to be used to report both liquid and solid wastes from active or abandoned industrial activities. Enter the estimated average discharge of liquid waste including cooling waters in gallons per day for each applicable point of discharge printed in Block 15.

If there are any solid wastes as defined in this circular, paragraph 4, Coverage, enter the letter "S" after the figure reporting gallons of liquid discharge. If there are solid wastes only, enter the letter "S". Show the total industrial liquid waste discharge in gallons for Codes 1, 2, 3, and 4 in the "Total" space.

Block 19. Percent of Industrial Waste Treated. For each point of discharge of industrial waste reported in Block 18, enter the percent to show the portion of this total industrial waste which is treated by the reporting agency and/or lessee of the property. Under "Remarks" Block 23, describe briefly this treatment.

Block 20. Percent Cooling Water. For each point of discharge reported in Block 18, enter the percent of this industrial waste which is cooling water.

Block 21. Activities Generating Industrial Wastes. When industrial wastes are reported, check the necessary boxes for codes representing activities conducted at this installation which generate industrial wastes. The codes and classifications of activities generating industrial wastes follow:

Code	Description
10	Metal Mining includes establishments primarily engaged in mining, developing mines, or exploring for metallic minerals (ores). These ores are valued chiefly for the metals contained to be recovered for use as such or as constituents of alloys. In addition, ores of rare earth metals and titanium are included. This major group also includes all ore dressing and beneficiating operations whether performed at mills operating in conjunction with the mines served or at mills, such as custom mills, operated separately. These include mills which crush, grind, wash, dry, sinter, or leach ore, or perform gravity separation or flotation operations. Exception: Any metal mining as defined under this code which is concerned primarily with uranium or other radioactive ores shall be reported under Code 18, Radioactive Materials Operations.
11	Anthracite, Bituminous Coal, and Lignite Mining includes establishments primarily engaged in producing anthracite (hard coal), bituminous coal, or lignite. Mining operations, dredging operations, and preparation plants such as cleaning plants, breakers, and washeries, whether or not such plants are operated in conjunction with the mines served, are included.

13 Crude Petroleum and Natural Gas Extraction includes establishments primarily engaged in producing crude petroleum, natural gas, natural gasoline, and cycle condensate. Types of activities included are explorations, drilling, well operation and maintenance, and the operation of natural gasoline and cycle plants. The group includes emulsion breaking and desilting of crude petroleum performed to render the oil marketable, and the production of petroleum products from lignite.

14 Mining and Quarrying of Nonmetallic Minerals, Except Fuels includes establishments primarily engaged in mining or quarrying, developing mines, or exploring for nonmetallic minerals, except fuels.

18 Radioactive Materials Operations includes all operations involved in mining, developing mines or exploring for uranium or other radioactive ores; all operations involved in processing such ores for the separation of radioactive materials; and all operations involved in handling and fabricating of such materials. Also included are all nuclear reactor operations such as those involved in the production of radioactive isotopes, in the testing of experimental units or in the production of power. Exception: Operations where radioactive materials are used in medical diagnostic, therapeutic or research procedures or as tracers in industrial or other research, are not included in this Code, and such operations are not to be considered in this inventory.

20 Food and Kindred Products includes establishments manufacturing foods and beverages for human consumption, and certain related products such as manufactured ice and prepared feeds for animals and fowls.

22 Textile Mill Products includes establishments engaged in performing any of the following operations, regardless of the type of fiber used: (1) manufacturing yarn, thread, cordage, and twine; (2) manufacturing woven fabric, carpets and rugs, braids, laces, knit fabric,

knit garments, and other products from yarn; (3) dyeing and finishing fibers, yarn, and fabrics, and (4) coating, waterproofing, and otherwise treating fabric. Also included are establishments engaged in manufacturing felt fabrics and products.

24 Lumber and Wood Products includes logging camps engaged in cutting timber and pulpwood; merchant sawmills, veneer mills, lath mills, shingle mills, cooperage-stock mills, planing mills and plywood mills engaged in producing lumber and wood basic materials; and establishments engaged in manufacturing finished articles made entirely, or mainly, of wood or wood substitutes, including furniture.

26 Paper and Allied Products includes the manufacture of pulp primarily from wood, and from rags and other fibers; the conversion of these pulps into any kind of paper or paperboard; and the manufacture of paper and paperboard into converted paper products such as coated paper, paper bags, paper boxes, cards and envelopes.

28 Chemicals and Allied Products includes establishments producing basic chemicals, establishments manufacturing products by predominantly chemical processes; includes manufacture of photographic chemicals.

29 Products of Petroleum and Coal includes establishments refining crude petroleum and manufacturing coke and coke-oven products, paving and roofing materials, and other products made from petroleum and coal; includes establishments manufacturing and distributing gas to consumers.

30 Rubber and Rubber Products includes establishments refining natural rubber or manufacturing synthetic rubber, includes establishments manufacturing from natural or synthetic rubber, gutta percha, balata, or gutta siak, all kinds of rubber products such as tires, rubber footwear, mechanical rubber goods, and rubber sundries. This group also includes establishments manufacturing reclaimed rubber or rebuilt and retreaded rubber tires.

31 Leather and Leather Products includes establishments engaged in tanning, currying, and finishing hides and skins, and establishments manufacturing finished leather and artificial leather products and similar products made of other materials.

33 Primary Metal Industries includes establishments engaged in the smelting and refining of ferrous and nonferrous metal from ore, pig, or scrap; in the rolling, drawing, and alloying of ferrous and nonferrous metals; and in the manufacture of castings, forgings, and other basic products of ferrous and nonferrous metals. All operations involved primarily with uranium or other radioactive materials shall be reported under Code 18, Radioactive Materials Operations.

34 Fabricated Metal Products includes establishments engaged in fabricating ferrous and nonferrous metal products such as tin cans and other tinware, hand tools, cutlery, general hardware, nonelectric heating apparatus, fabricated structural metal products, metal stampings, lighting fixtures, fabricated wire products, and a variety of metal products not elsewhere classified. Includes ordnance, machinery and transportation equipment.

39 Miscellaneous Manufacturing Industries includes establishments primarily engaged in manufacturing products not classified in any other manufacturing major group.

Block 22. Notice on Water Pollution. Check the appropriate box to indicate the type of notification, if any, which has been received from an official source that existing waste water discharge practices at the installation reported may be responsible for any water pollution problem. Codes and types of advice follow:

Code	Type of Advice
1	No notification received
2	Formal notice
3	Letter report
4	Verbal report

For the type of notice checked, enter the date. The date shall be entered by its numerical designation using 6 digits for the month, day, and year. For example, February 5, 1960, would be reported as 02-05-60. If more than one notice has been received, enter the latest notice in this block. Other notices shall be described in Block 23.

c. Remarks, Signature, and Date

Block 23. Remarks. When nonfederal activities are reported in Block 6, enter the name of the operator here. Where treatment is indicated in Block 17 and/or 19, enter a description of each element of the treatment process in this block. Also, enter a description of notices concerning water pollution problems received prior to the notice shown in Block 22, if any. If it is necessary to clarify or expand any entries beyond the space provided in the various blocks, make such notations in this block and continue, if necessary, on the reverse of the form.

Block 24. Prepared by. Type in the name and title of the official responsible for the preparation of the report.

Block 25. Signature. The official designated in Block 24 shall sign his name in the block.

Block 26. Date. Enter the date on which the report was prepared.

GENERAL SERVICES ADMINISTRATION NUMBER OF REPORTS SUBMITTED WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS	FORM APPROVED BUDGET BUREAU NO. 29-6101	1. AS OF December 31, 1960
2. REPORTING AGENCY	3. BUREAU OR OTHER MAJOR ORGANIZATION	

TOTAL NUMBER OF REPORTS FOR INSTALLATIONS IN: -	NUMBER OF REPORTS SUBMITTED
4. THE UNITED STATES *(The 50 States and the District of Columbia)*	
5. PUERTO RICO	
6. THE VIRGIN ISLANDS	
7. GRAND TOTAL NUMBER OF REPORTS (4+5+6)	

8. REMARKS

9. PREPARED BY *(Type name and title)*	10. SIGNATURE	11. DATE

GSA FORM FEB 61 1209C

INSTRUCTIONS FOR THE PREPARATION OF GSA FORM 1209C, NUMBER OF REPORTS SUBMITTED - WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS

1. General Instructions. GSA Form 1209C, Number of Reports Submitted - Waste Water Disposal Practices at Federal Installations, shall be prepared by each reporting agency for each bureau or other major organizational unit.

   GSA Form 1209C is intended to provide a control over individual inventory reports of waste water disposal at Federal installations submitted on GSA Forms 1166C.

   A separate GSA Form 1209C shall be prepared for each bureau or other comparable major organizational unit. An original and 2 carbon copies of this form together with the related GSA Forms 1166C shall be prepared and submitted to the General Services Administration, Office of Comptroller, Washington 25, D. C., not later than 120 days subsequent to date of issuance of this circular.

2. Specific Instructions.

   a. Date, Reporting Agency, and Bureau.

      Block 1. As Of. The effective date of this report, December 31, 1960, is preprinted on the form.

      Block 2. Reporting Agency. Enter in this block the name of the reporting agency, that is, the department, commission, administration, or authority. For example: Department of Commerce, Atomic Energy Commission, Veterans Administration, or Tennessee Valley Authority.

      Block 3. Bureau or Other Major Organizational Unit. Enter on this line the name of the bureau or other comparable major organizational unit within the reporting agency. For example: National Bureau of Standards or Bureau of Land Management.

   b. Total Number of Reports for Installations by Location.

      Block 4. The United States (The 50 States and the District of Columbia). Enter in this block the total number of reports, GSA Forms 1166C, submitted for installations in the United States.

Preceding page blank

Block 5. Puerto Rico. Enter in this block the total number of reports, GSA Forms 1166C, submitted for installations located in Puerto Rico.

Block 6. The Virgin Islands. Enter in this block the number of reports, GSA Forms 1166C, submitted for installations located in the Virgin Islands.

Block 7. Grand Total Number of Reports (4+5+6). Enter in this block the total number of reports, GSA Forms 1166C, submitted by the reporting bureau or other major organizational unit. This amount should agree with the sum of Blocks 4, 5, and 6.

c. Remarks.

Block 8. Remarks. Indicate in Block 8 if Public Health Service technical assistance may be desired to deal with unusual or persistent water pollution control problems, and specify.

Block 9. Prepared by. Type in the name and title of the official responsible for the preparation of the report.

Block 10. Signature. The official designated as responsible for the preparation of the report shall sign his name in this block.

Block 11. Date. Enter date on which the report was prepared.

* U.S. GOVERNMENT PRINTING OFFICE : 1962 O—644215